Parcel A - General

To expedite the redevelopment of Parcel A, surface soils and groundwater are undergoing separate remediation programs. Surface soils, defined as all soils to a depth of 12 feet bsg, are a concern due to their potential impact on future site uses. Groundwater, defined as the underlying saturated zones as well as all potential subsurface soil sources (below 12 feet bsg), is a concern because of a potential impact to the underlying aquifers.

Kennedy/Jenks performed a Phase II Soil Characterization on Parcel A of the MDAC C-6 facility between February 27 and May 7, 1997. The Phase II sampling was based on a Phase I Assessment of areas where chemicals could have been released to soil. Prior to the study, a field sampling plan (FSP) was prepared for the soil characterization and reviewed and approved by the RWQCB and DTSC.

The Phase II Soil Characterization study was designed to 1) characterize the nature and extent of soil contamination above groundwater, based on potential areas of concern identified in earlier studies and 2) collect site-specific data to support the forthcoming risk assessment. The soil characterization included the physical properties of the soils, the subsurface distribution of soil types, and the nature and extent of contamination within the soils. Site-wide, more than 200 soil borings and more than 900 samples were drilled and collected, respectively, during the Phase II Soil Characterization study. Within Parcel A alone, approximately 550 soil samples were collected for analysis from 110 soil borings of various depths.

Four locations in Parcel A were found to contain contaminants at concentrations greater than those allowed under the soil screening evaluation process and therefore were designated areas of concern. These locations are: 1) former Building 36, 2) former Building 66-1 wash-down area, 3) Borings 1-27 and 1-27A (located north of former Building Area 45), and 4) Borings SA-NE-14 and SA-NE-17 (located north of former Building 45 and east of Building 41). These areas of concern will be completely delineated and appropriately remediated during the remediation phase. These four locations are located over 400 feet side gradient of the current boundaries of the subject site.

A total of 15 groundwater observation wells have been installed on the MDAC C-6 facility. These wells have been sampled and analyzed on a quarterly basis since 1992. Most of the monitoring wells are completed at or near the water table, at depths of 55 to 90 feet. Two wells are completed in a deeper zone at about 115 to 140 feet.

The latest groundwater monitoring report, first quarter 1997, measured the shallow zone groundwater elevations from 13.78 feet below mean sea level (msl) (approximately 64 feet bsg) to 15.19